

AMENDMENT TO THE SPECIFICATION

Please change the title of this patent application to:

--COMMON INFORMATION MODEL (CIM) TRANSLATION TO AND FROM
WINDOWS MANAGEMENT INTERFACE (WMI) IN CLIENT SERVER
ENVIRONMENT--.

Please replace the Abstract of the Disclosure with the following corrected Abstract:

--A protocol translator for use in a storage system or storage area network for translating between incompatible communication protocols. Apparatus, methodology, computer program product and interface embodiments are disclosed, and code examples are provided, for translating between Common Information Model/eXtensible Markup Language/Hyper Text Transfer Protocol (CIM/XML/HTTP) and Windows Management Interface/Distributed Component Object Model (WMI/DCOM) communication protocols for distributed management software used within a storage system or storage area network in a client server environment.--

Please replace the paragraph on page 11, starting on line 2 and ending on line 20, with the following corrected paragraph:

--In operation, UI 101 forwards commands and data to SPA 102 and SPB 103 over bidirectional busses 107, LAN 106, 108 and 109. SPA 102 and SPB 103 interact via bidirectional bus [[102]] 112 in a manner described in the incorporated by reference application where one or the other storage processor is the selected portal processor.

Assume SPA 102 is selected to be portal processor and process input from client 101. Output of SPA 102 via bus 110 to disk array 105, may be a command which either writes data into or reads data from disk array 105, or which commands certain of these disks to perform other appropriate tasks. If communication protocol supporting both the command from UI 101 and the return information from disk array 105 is compatible throughout the communication path, then information flow in both directions is accurate, allowing the required task to be carried-out to its final and accurate conclusion. However, if such protocol is not compatible throughout, under certain circumstances embodiments of the present invention can be utilized within the storage processors to automatically adjust for protocol differences by way of suitable translation operations in both directions (from Client to disk array and vice versa). Embodiments of the present invention have particular utility in facilitating information flow which would otherwise be inhibited because of protocol differences ascribed to CIM/XML on the one hand and to WPI on the other hand, to be described in more detail hereinbelow (designations "CIM/XML" and "XML/CIM" are intended to be identical and interchangeable herein).--